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SEQUENCE LISTING

<110> Sukhatme, Vikas P.

<120> Anti-Angiogenic Peptides and Methods of  
Use Thereof

<130> 1440.1023-011

<140> US 09/589,777

<141> 2000-06-08

<150> PCT/US98/26057

<151> 1998-11-16

<150> US 60/108,536

<151> 1998-04-22

<150> US 60/082,663

<151> 1998-04-22

<150> US 60/067,888

<151> 1997-12-07

<160> 23

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<210> 1

<211> 555

<212> DNA

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<222> (1)...(525)

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<222> (1)...(552)

<400> 1

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His	Thr	His	Gln	Asp	Phe	Gln	Pro	Val	Leu	His	Leu	Val	Ala	Leu	Asn	
1			5					10					15			

acc	ccc	ctg	tct	gga	ggc	atg	cgt	ggt	atc	cgt	gga	gca	gat	ttc	cag	96
Thr	Pro	Leu	Ser	Gly	Gly	Met	Arg	Gly	Ile	Arg	Gly	Ala	Asp	Phe	Gln	
		20				25						30				

tgc	ttc	cag	caa	gcc	cga	gcc	gtg	ggg	ctg	tcg	ggc	acc	ttc	cgg	gct	144
Cys	Phe	Gln	Gln	Ala	Arg	Ala	Val	Gly	Leu	Ser	Gly	Thr	Phe	Arg	Ala	
		35				40						45				

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ttc ctg tcc tct agg ctg cag gat ctc tat agc atc gtg cgc cgt gct	192
Phe Leu Ser Ser Arg Leu Gln Asp Leu Tyr Ser Ile Val Arg Arg Ala	
50 55 60	
gac cgg ggg tct gtg ccc atc gtc aac ctg aag gac gag gtg cta tct	240
Asp Arg Gly Ser Val Pro Ile Val Asn Leu Lys Asp Glu Val Leu Ser	
65 70 75 80	
ccc agc tgg gac tcc ctg ttt tct ggc tcc cag ggt caa ctg caa ccc	288
Pro Ser Trp Asp Ser Leu Phe Ser Gly Ser Gln Gly Gln Leu Gln Pro	
85 90 95	
ggg gcc cgc atc ttt tct ttt gac ggc aga gat gtc ctg aga cac cca	336
Gly Ala Arg Ile Phe Ser Phe Asp Gly Arg Asp Val Leu Arg His Pro	
100 105 110	
gcc tgg ccg cag aag agc gta tgg cac ggc tcg gac ccc agt ggg cgg	384
Ala Trp Pro Gln Lys Ser Val Trp His Gly Ser Asp Pro Ser Gly Arg	
115 120 125	
agg ctg atg gag agt tac tgt gag aca tgg cga act gaa act act ggg	432
Arg Leu Met Glu Ser Tyr Cys Glu Thr Trp Arg Thr Glu Thr Thr Gly	
130 135 140	
gct aca ggt cag gcc tcc tcc ctg ctg tca ggc agg ctc ctg gaa cag	480
Ala Thr Gly Gln Ala Ser Ser Leu Leu Ser Gly Arg Leu Leu Glu Gln	
145 150 155 160	
aaa gct gcg agc tgc cac aac agc tac atc gtc ctg tgc att gag aat	528
Lys Ala Ala Ser Cys His Asn Ser Tyr Ile Val Leu Cys Ile Glu Asn	
165 170 175	
agc ttc atg acc tct ttc tcc aaa tag	555
Ser Phe Met Thr Ser Phe Ser Lys	
180	

<210> 2

<211> 184

<212> PRT

<213> Mus musculus

<400> 2

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Thr Pro Leu Ser Gly Gly Met Arg Gly Ile Arg Gly Ala Asp Phe Gln	
20 25 30	
Cys Phe Gln Gln Ala Arg Ala Val Gly Leu Ser Gly Thr Phe Arg Ala	
35 40 45	
Phe Leu Ser Ser Arg Leu Gln Asp Leu Tyr Ser Ile Val Arg Arg Ala	
50 55 60	
Asp Arg Gly Ser Val Pro Ile Val Asn Leu Lys Asp Glu Val Leu Ser	
65 70 75 80	
Pro Ser Trp Asp Ser Leu Phe Ser Gly Ser Gln Gly Gln Leu Gln Pro	
85 90 95	
Gly Ala Arg Ile Phe Ser Phe Asp Gly Arg Asp Val Leu Arg His Pro	
100 105 110	
Ala Trp Pro Gln Lys Ser Val Trp His Gly Ser Asp Pro Ser Gly Arg	
115 120 125	

Arg Leu Met Glu Ser Tyr Cys Glu Thr Trp Arg Thr Glu Thr Thr Gly  
 130 135 140  
 Ala Thr Gly Gln Ala Ser Ser Leu Leu Ser Gly Arg Leu Leu Glu Gln  
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 165 170 175  
 Ser Phe Met Thr Ser Phe Ser Lys  
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<220>  
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26

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26

<210> 5  
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<220>  
 <223> Leader peptide on protein produced by prokaryotic  
 expression system pET17b, mouse endostatin begins  
 immediately after.

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<210> 6  
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28

<210> 7  
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<220>

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 1 5 10 15  
 Arg Gly Ser His Met  
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<220>

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<400> 8

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33

<210> 9

<211> 35

<212> DNA

<213> Artificial Sequence

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<223> Oligonucleotide

<400> 9

ttagcggccg cctactcaat gcacaggacg atgta

35

<210> 10

<211> 38

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide

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38

<210> 11

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide

<400> 11

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26

<210> 12

<211> 32

<212> DNA  
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32

<210> 13  
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 <223> Leader peptide on protein produced by eukaryotic  
 yeast expression system pPICZaA, mouse endostatin  
 protein begins immediately after.

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 Gly His Ile Asp Asp Asp Asp Lys His Met  
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<210> 14  
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<220>  
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44

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<220>  
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51

<210> 17  
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<212> DNA  
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 <223> Leader peptide on protein produced by eukaryotic  
       - yeast expression system pPICZaA, mouse endostatin  
       protein begins immediately after.  
  
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   1                          5  
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### <213> Artificial Sequence

<220>

<223> Oligonucleotide

<400> 22

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<210> 23

<211> 23

<212> PRT

<213> Artificial Sequence

**<220>**

<223> Leader peptide on protein produced by eukaryotic yeast expression system pPIC2aA, apomigren protein begins immediately after.

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Val Pro Arg Gly Ser His Met  
20